Program EVALPLOT
(Version 2021-1)
by
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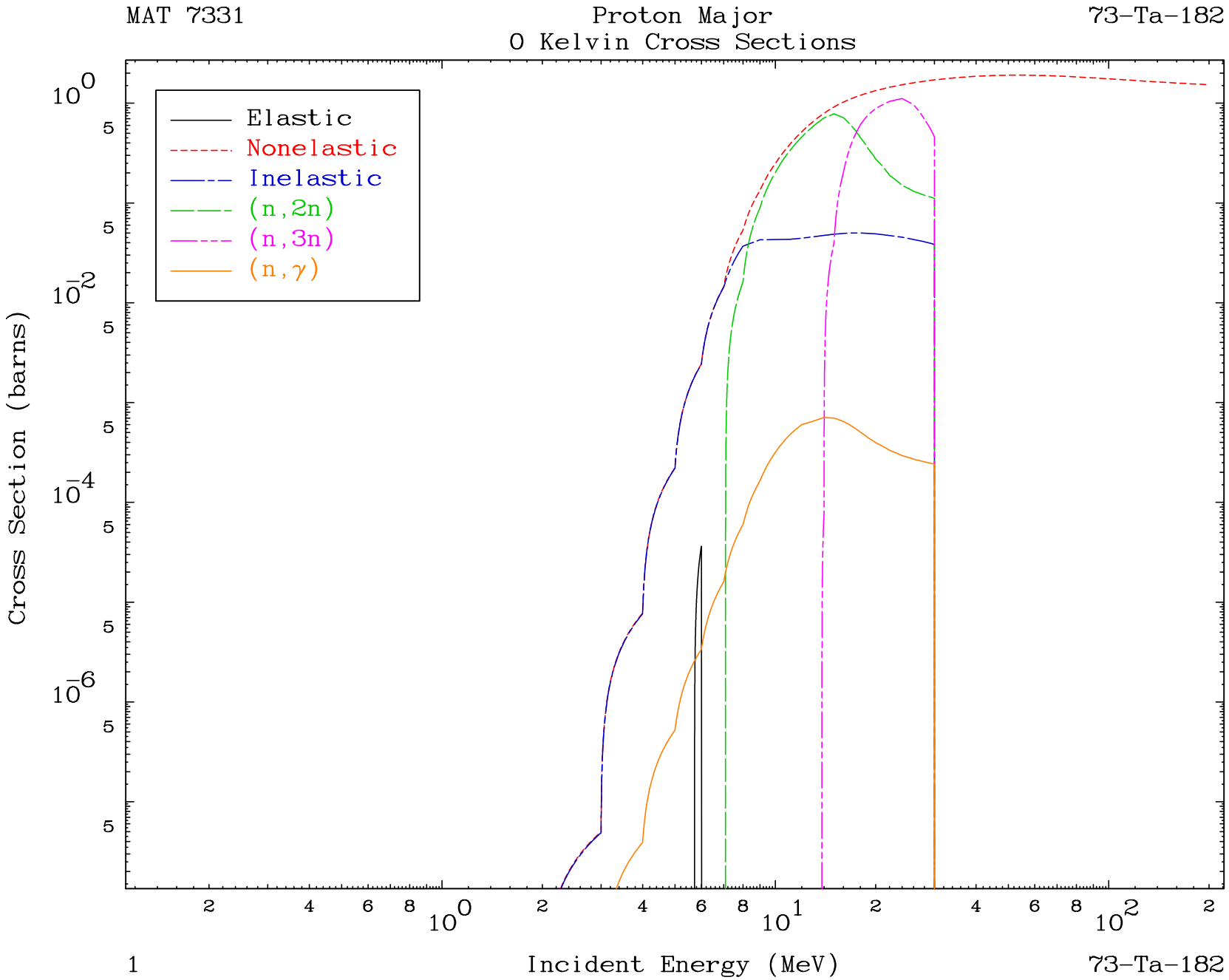
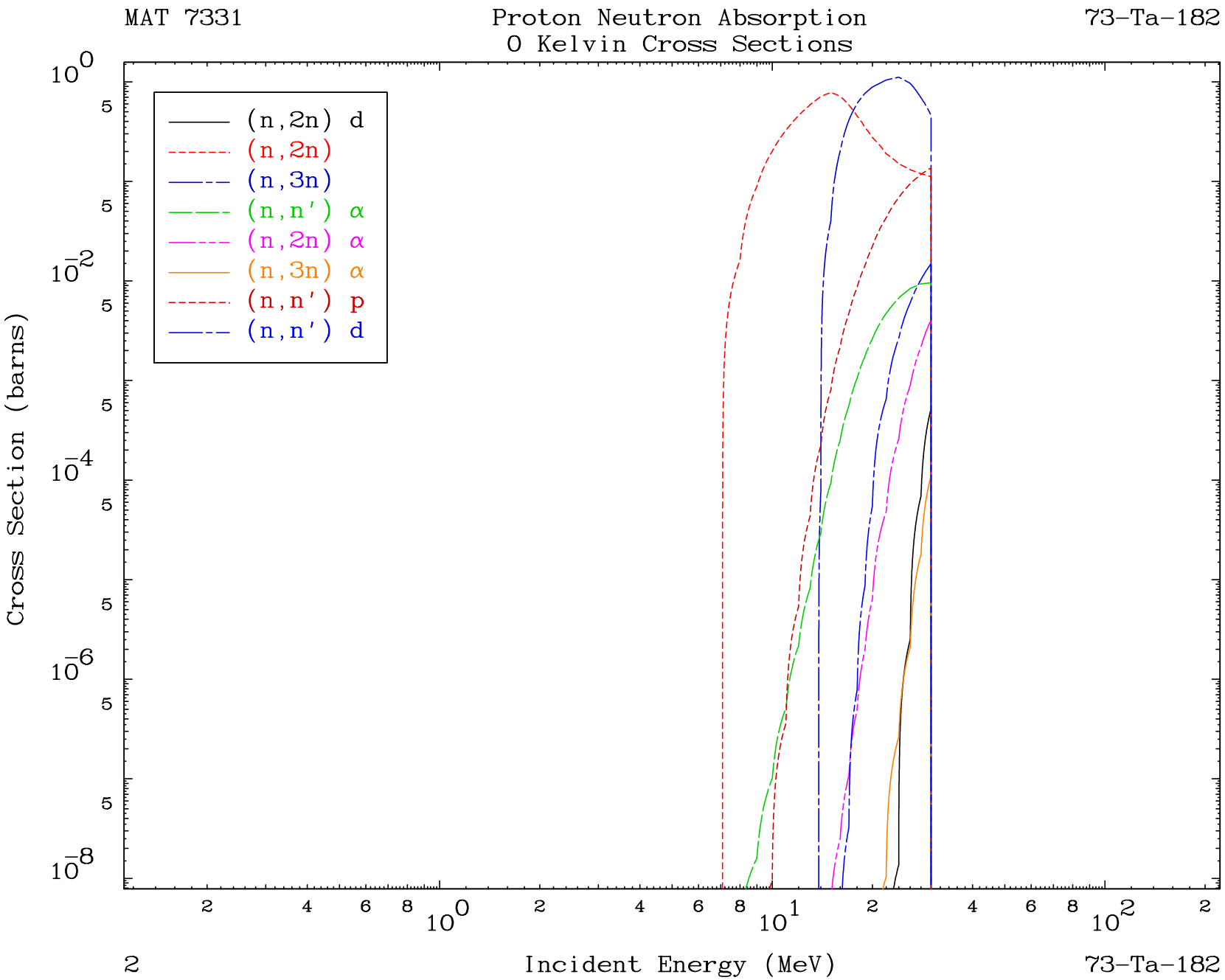
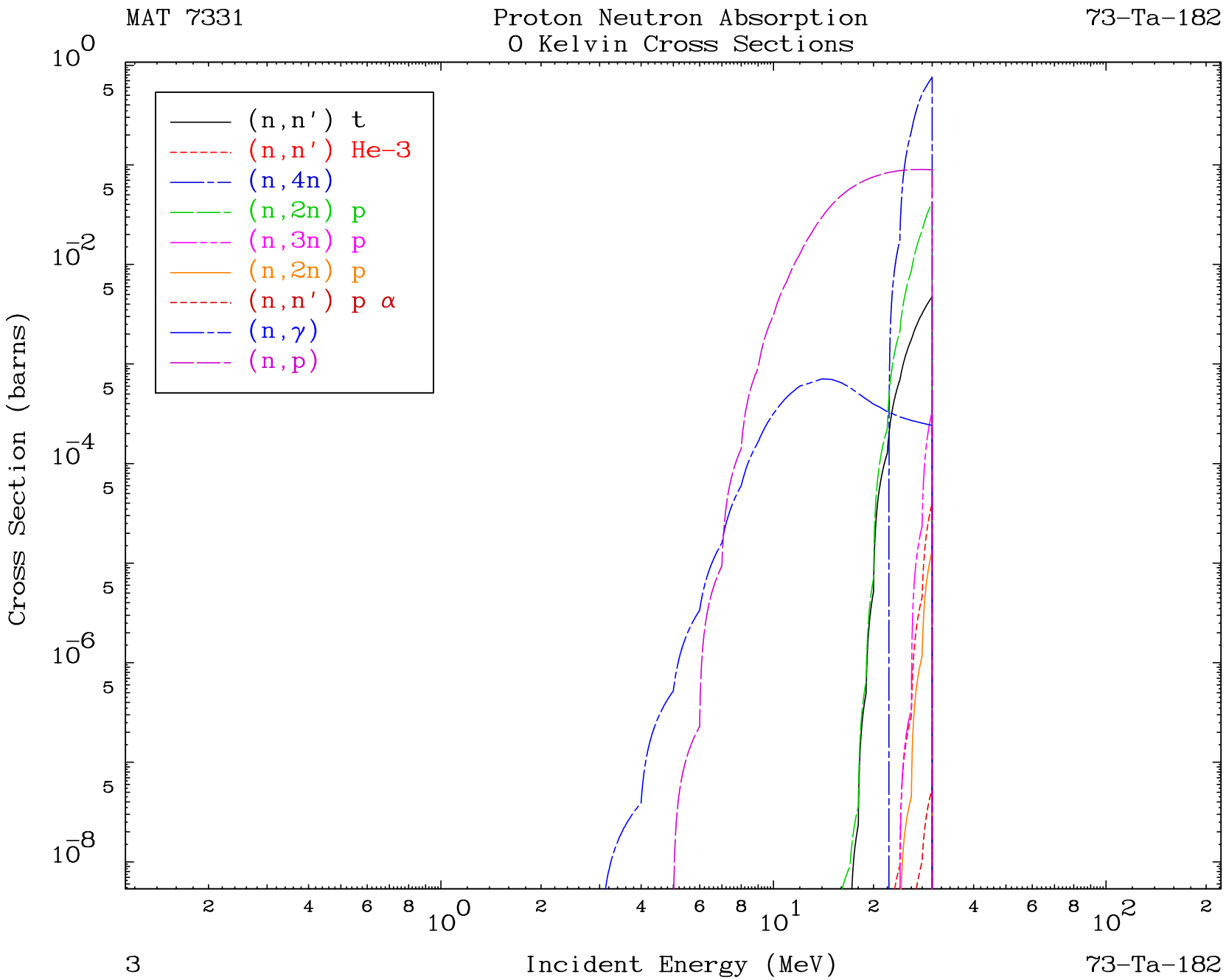
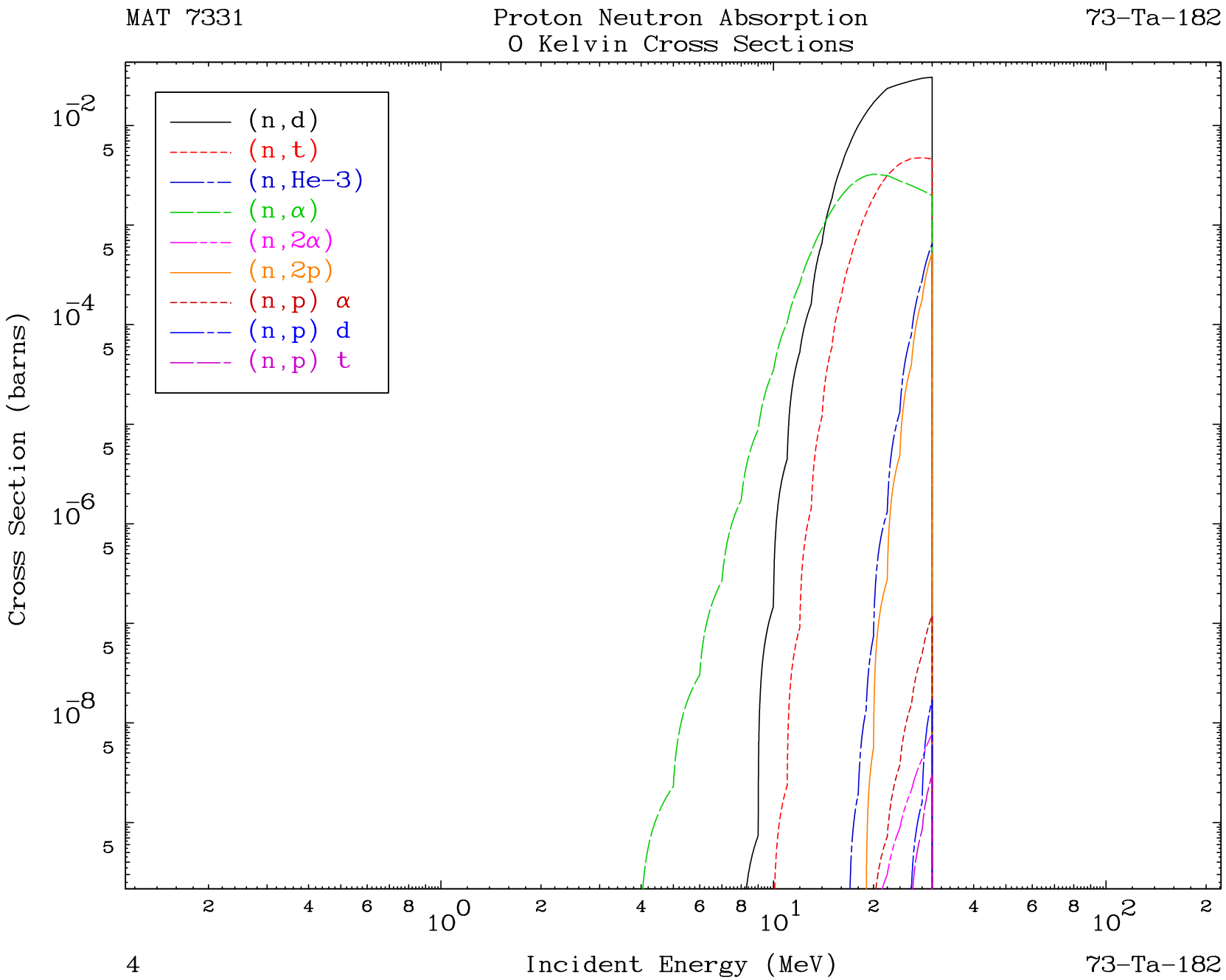
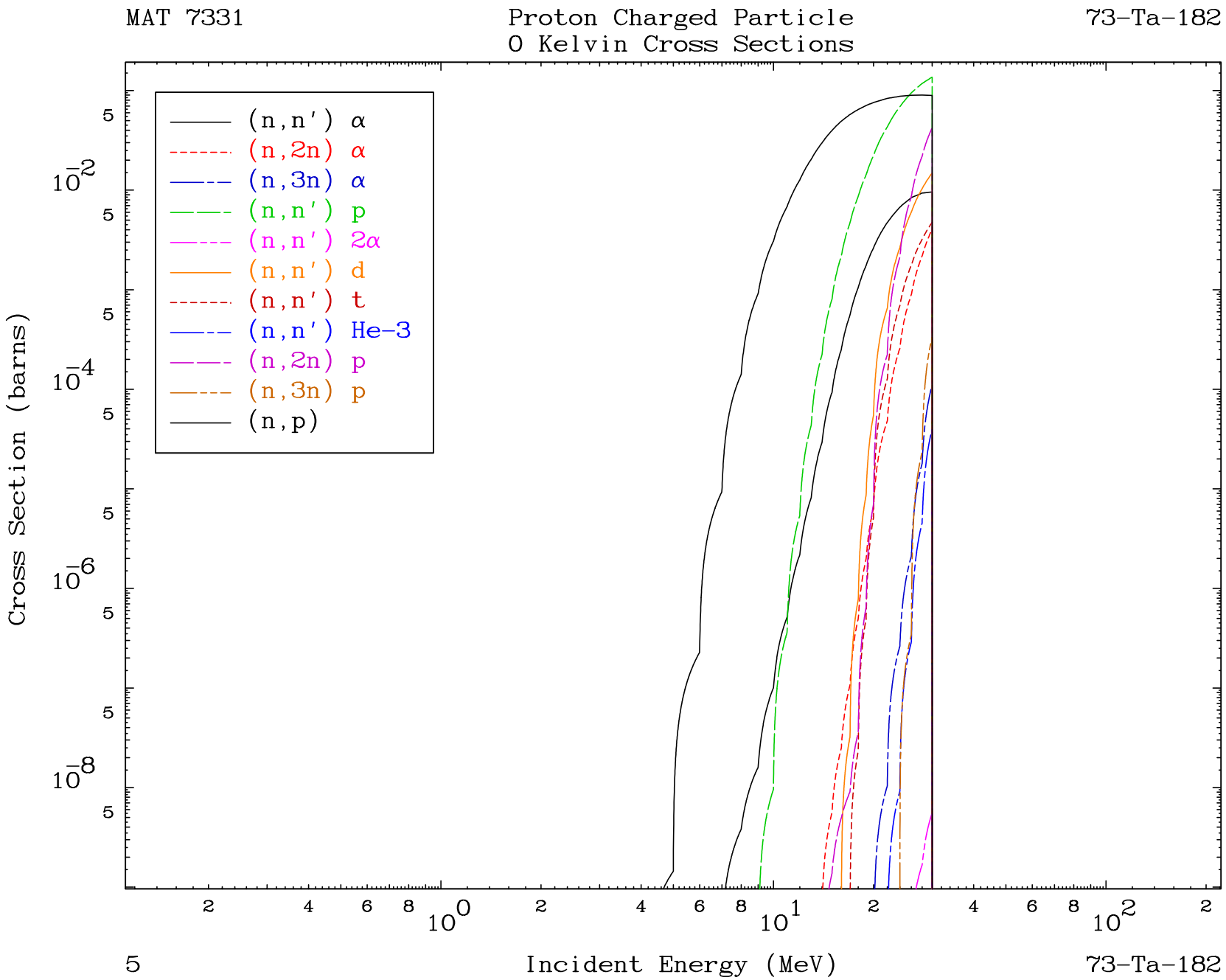
Press Mouse Button to Start

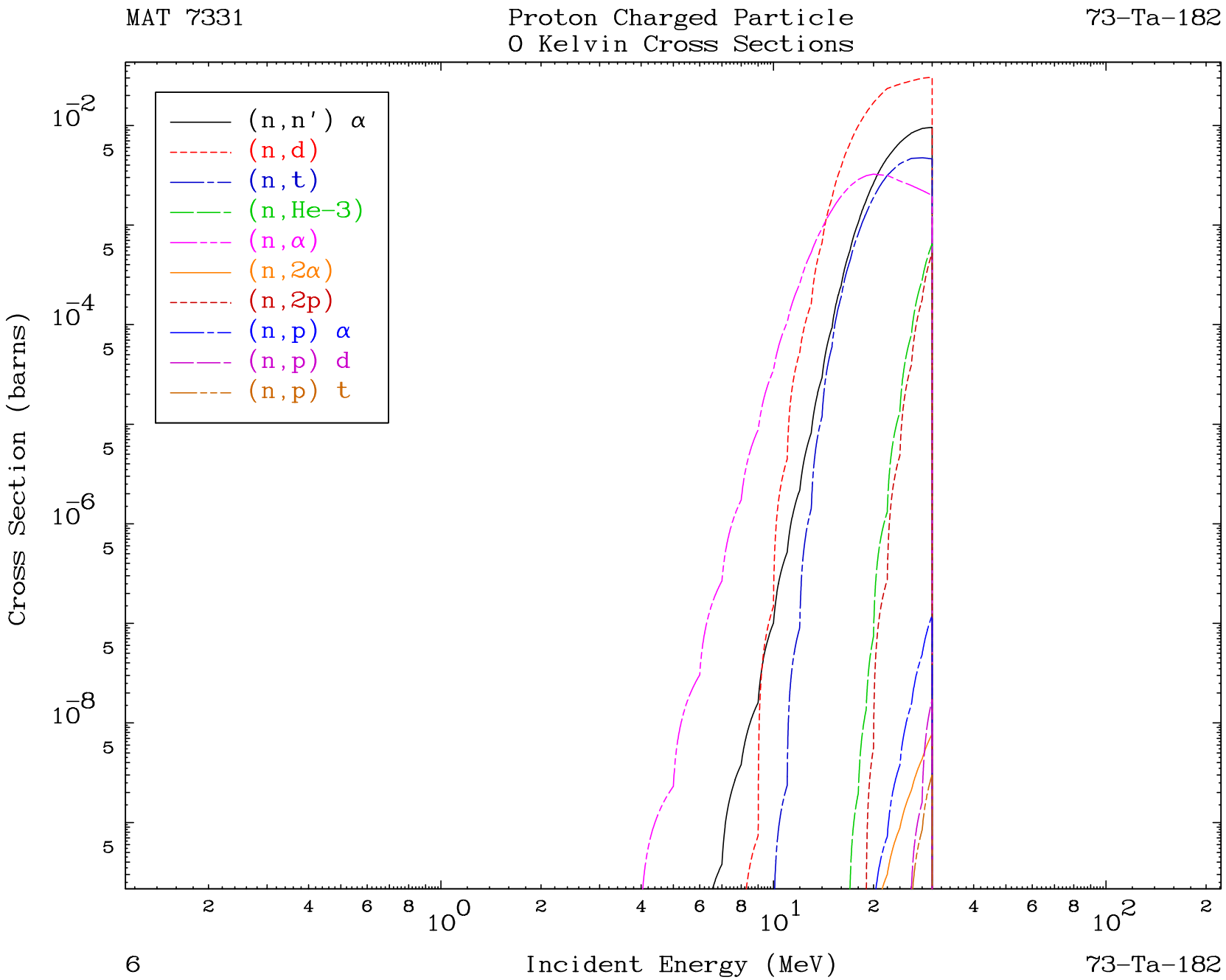

MAT 7331
Proton Major
73-Ta-182
0 Kelvin Cross Sections
Elastic
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
1
73-Ta-182

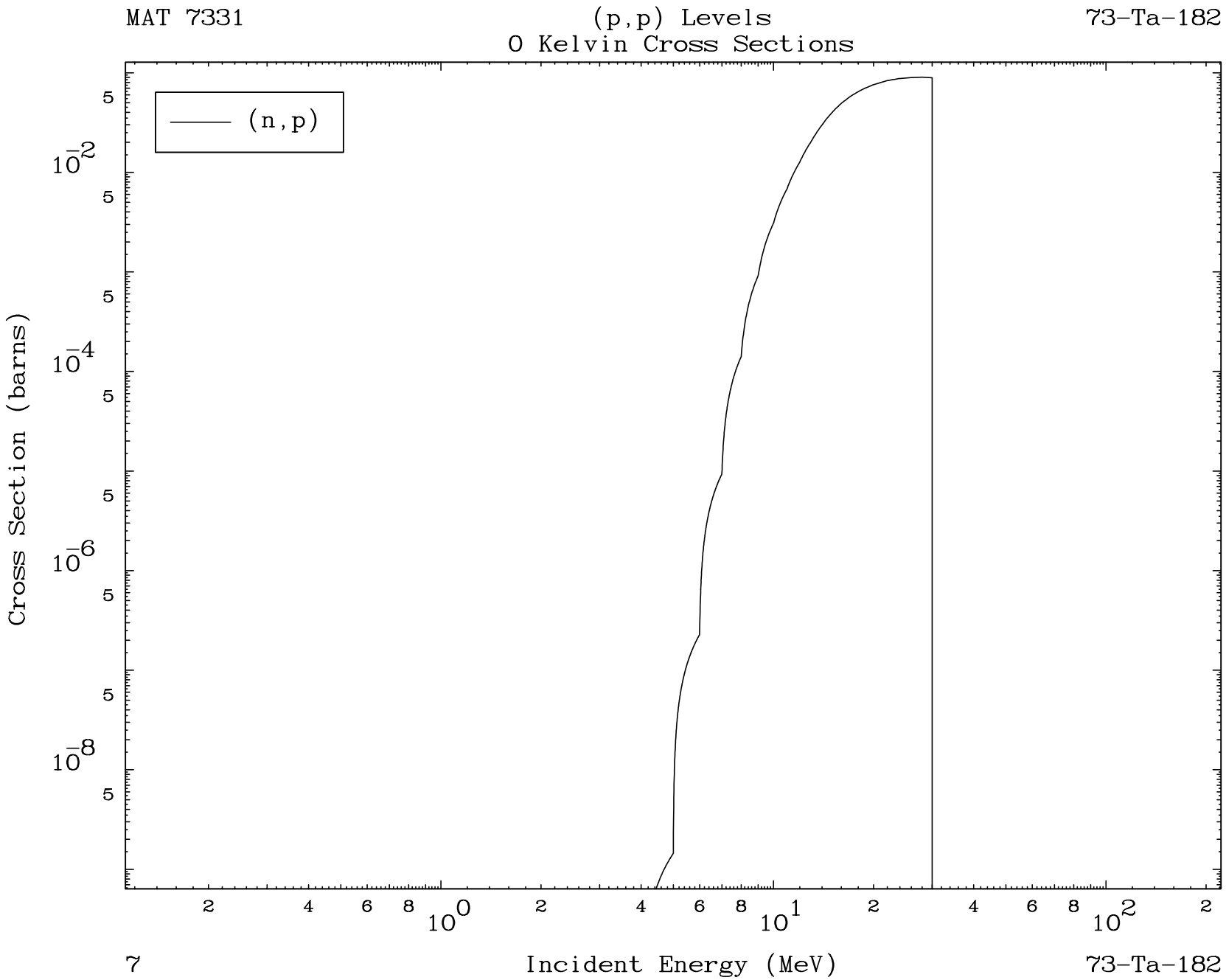

MAT 7331
Proton Neutron Absorption
0 Kelvin Cross Sections
73-Ta-182
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
Cross Section (barns)
Incident Energy (MeV)
73-Ta-182
2

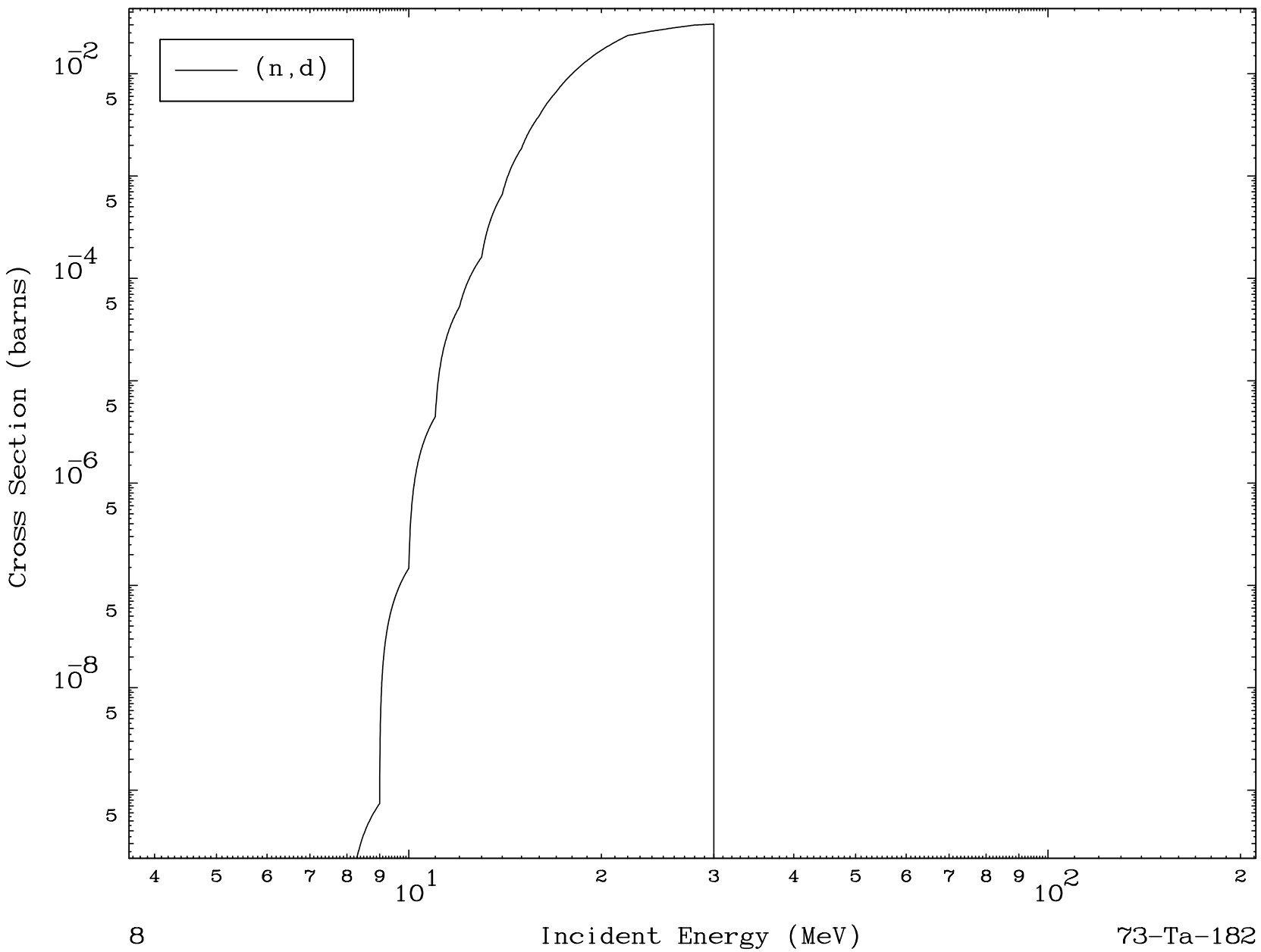

MAT 7331
Proton Neutron Absorption
0 Kelvin Cross Sections
73-Ta-182
(n,n') t
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
Cross Section (barns)
Incident Energy (MeV)
3
73-Ta-182

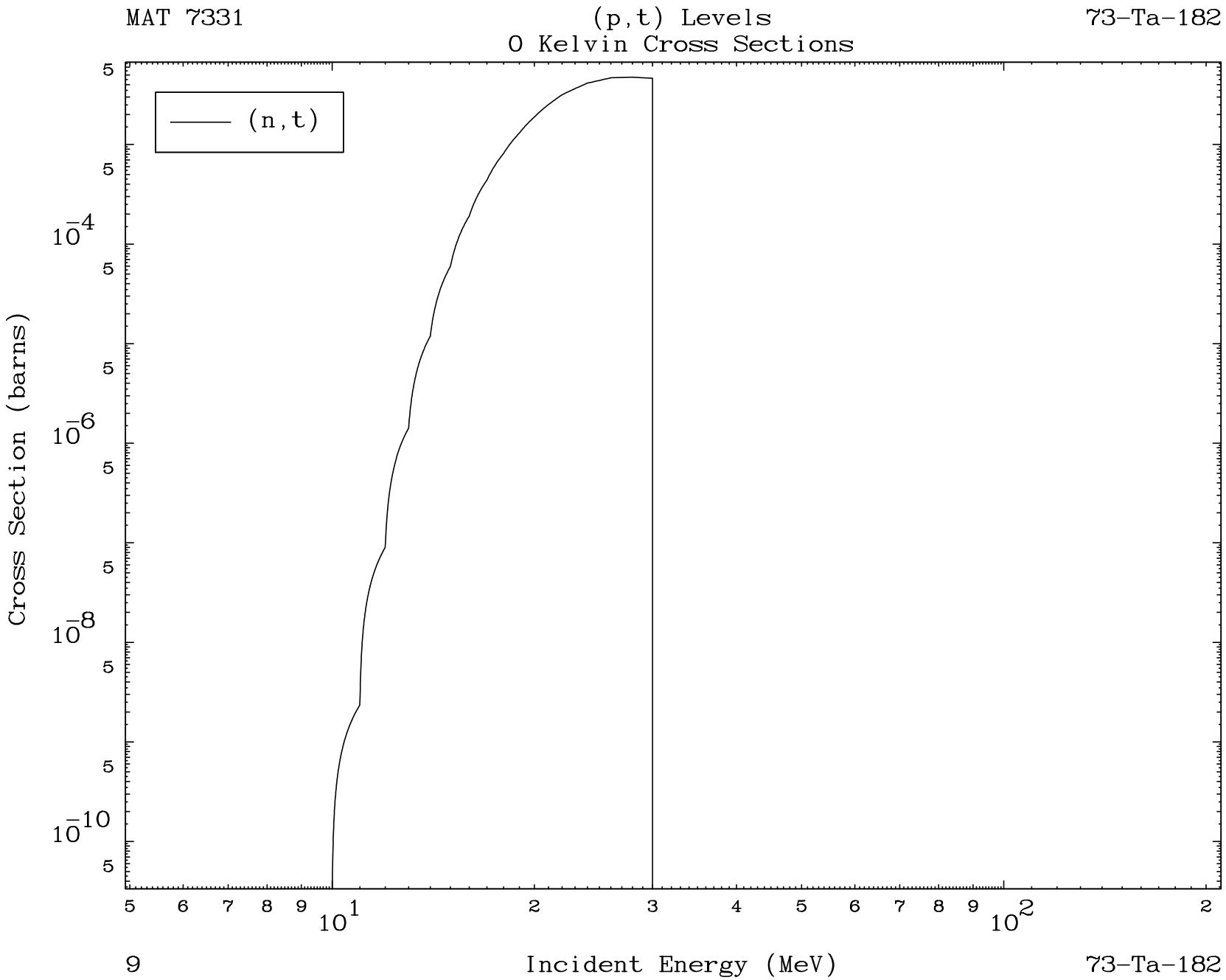

MAT 7331
Proton Neutron Absorption
0 Kelvin Cross Sections
73-Ta-182
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
Cross Section (barns)
Incident Energy (MeV)
4
73-Ta-182

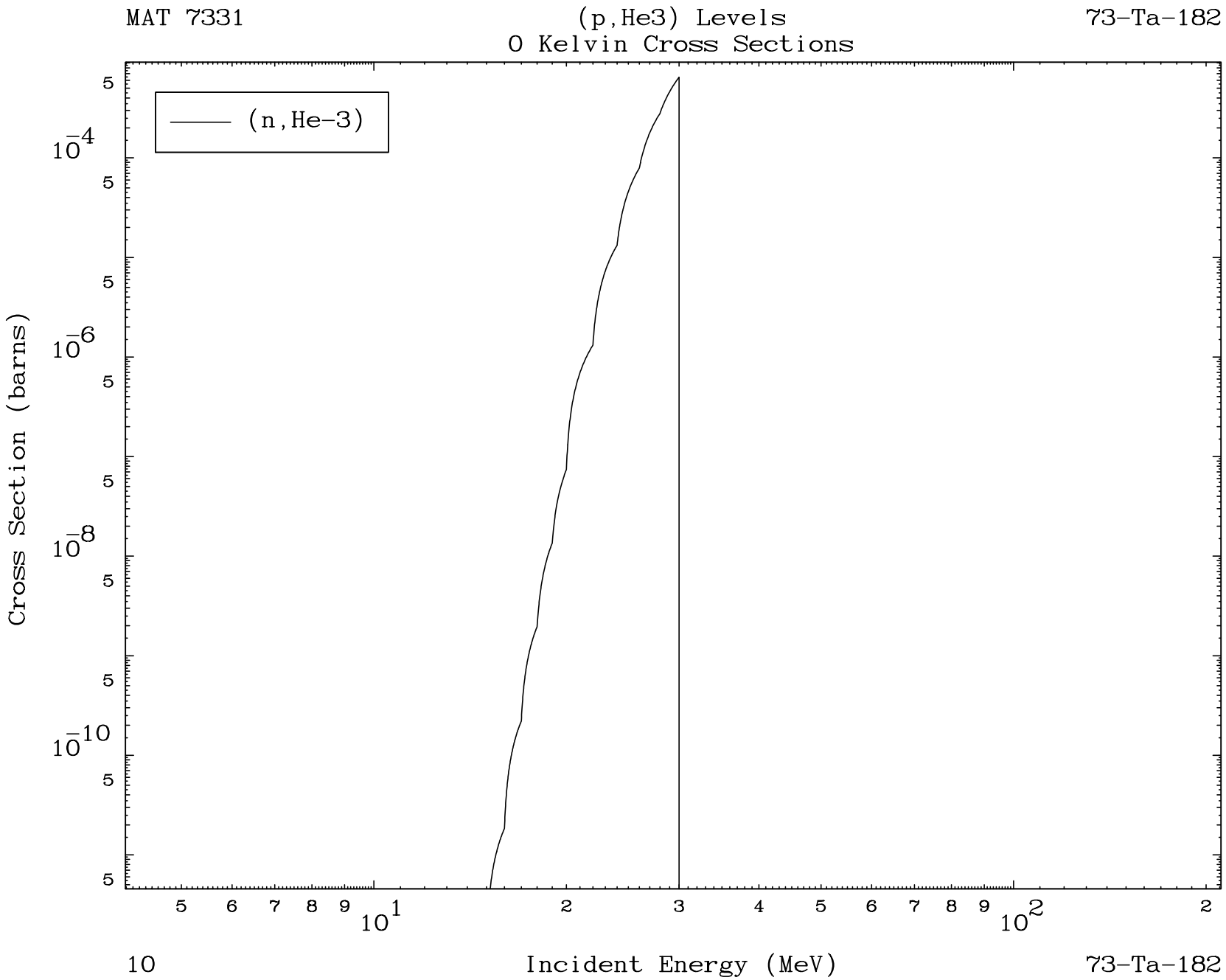

MAT 7331
Proton Charged Particle
0 Kelvin Cross Sections
73-Ta-182
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
100
101
102
Incident Energy (MeV)
5
73-Ta-182

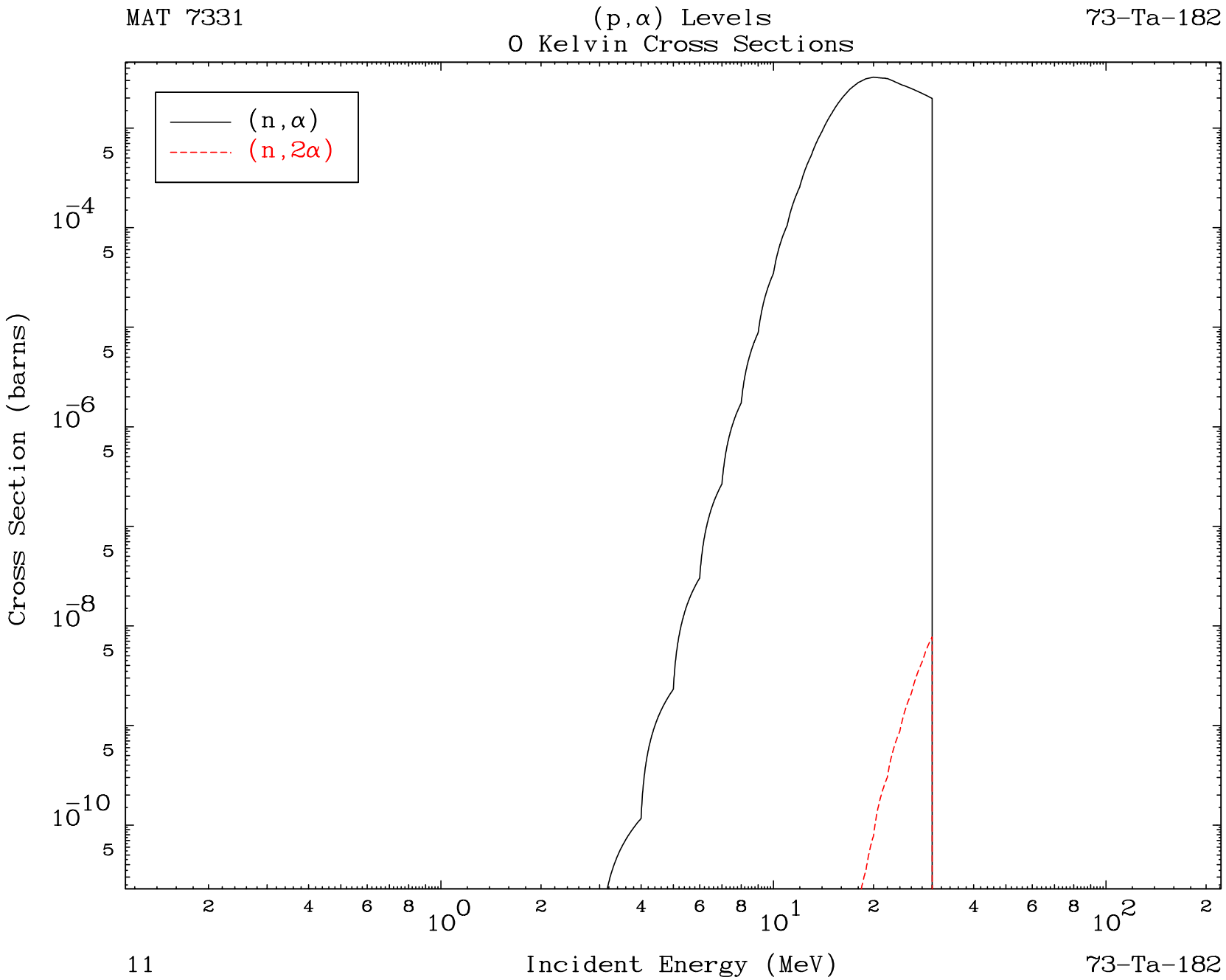

MAT 7331
Proton Charged Particle
0 Kelvin Cross Sections
73-Ta-182
(n,n') α
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
Cross Section (barns)
Incident Energy (MeV)
6
73-Ta-182

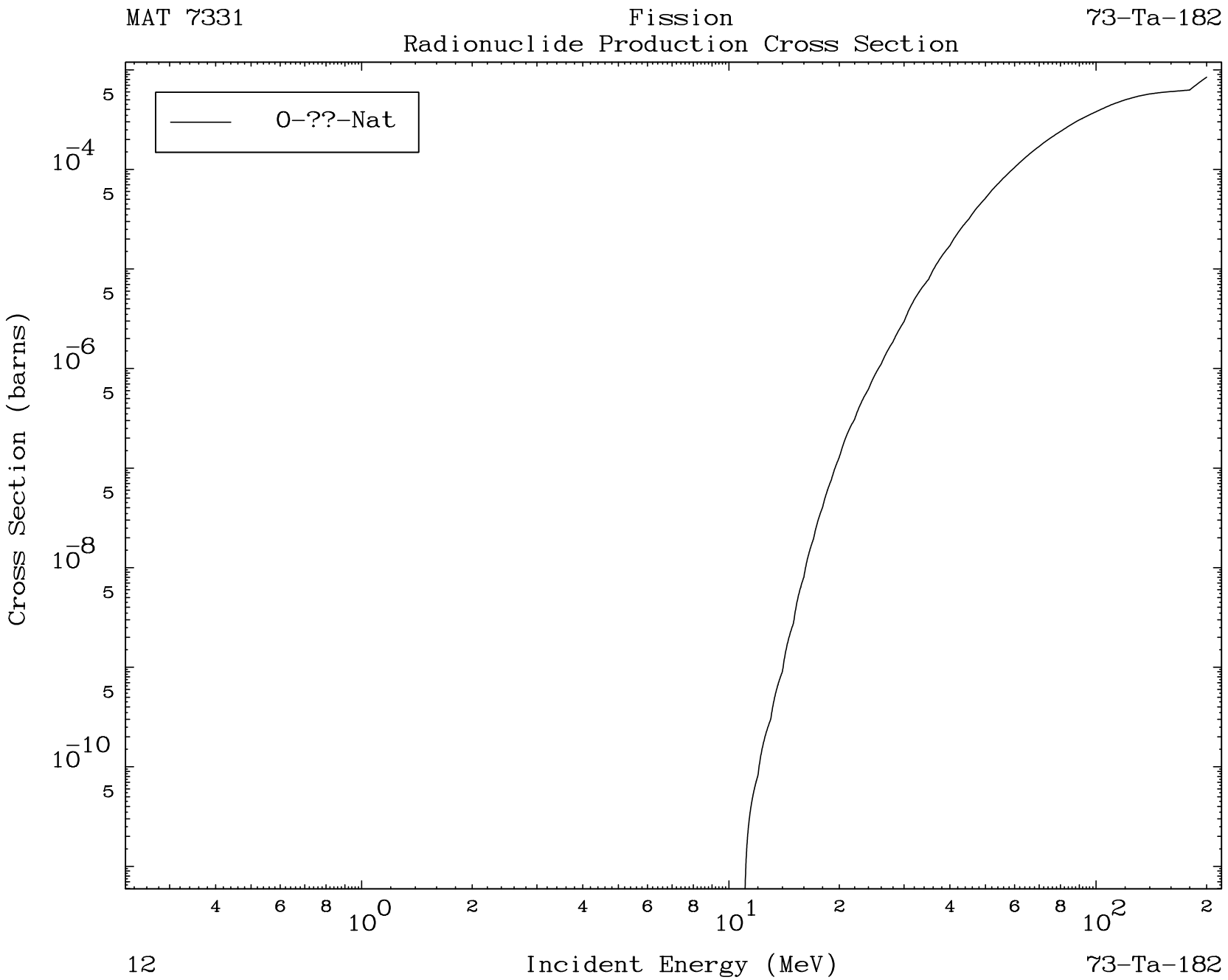

MAT 7331
(p,p) Levels
73-Ta-182
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
Incident Energy (MeV)
7
73-Ta-182

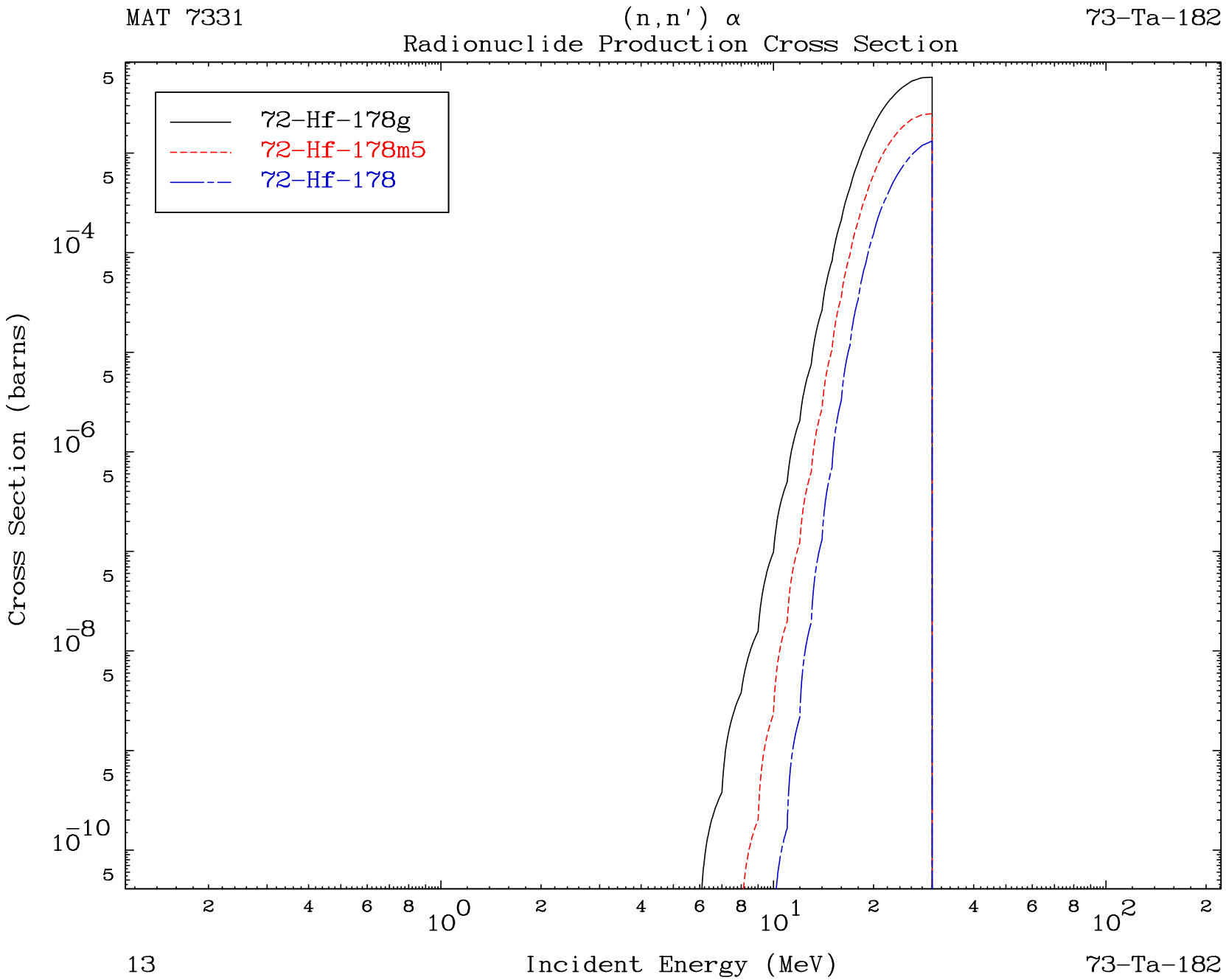

0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
5
4 5 6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
Incident Energy (MeV)

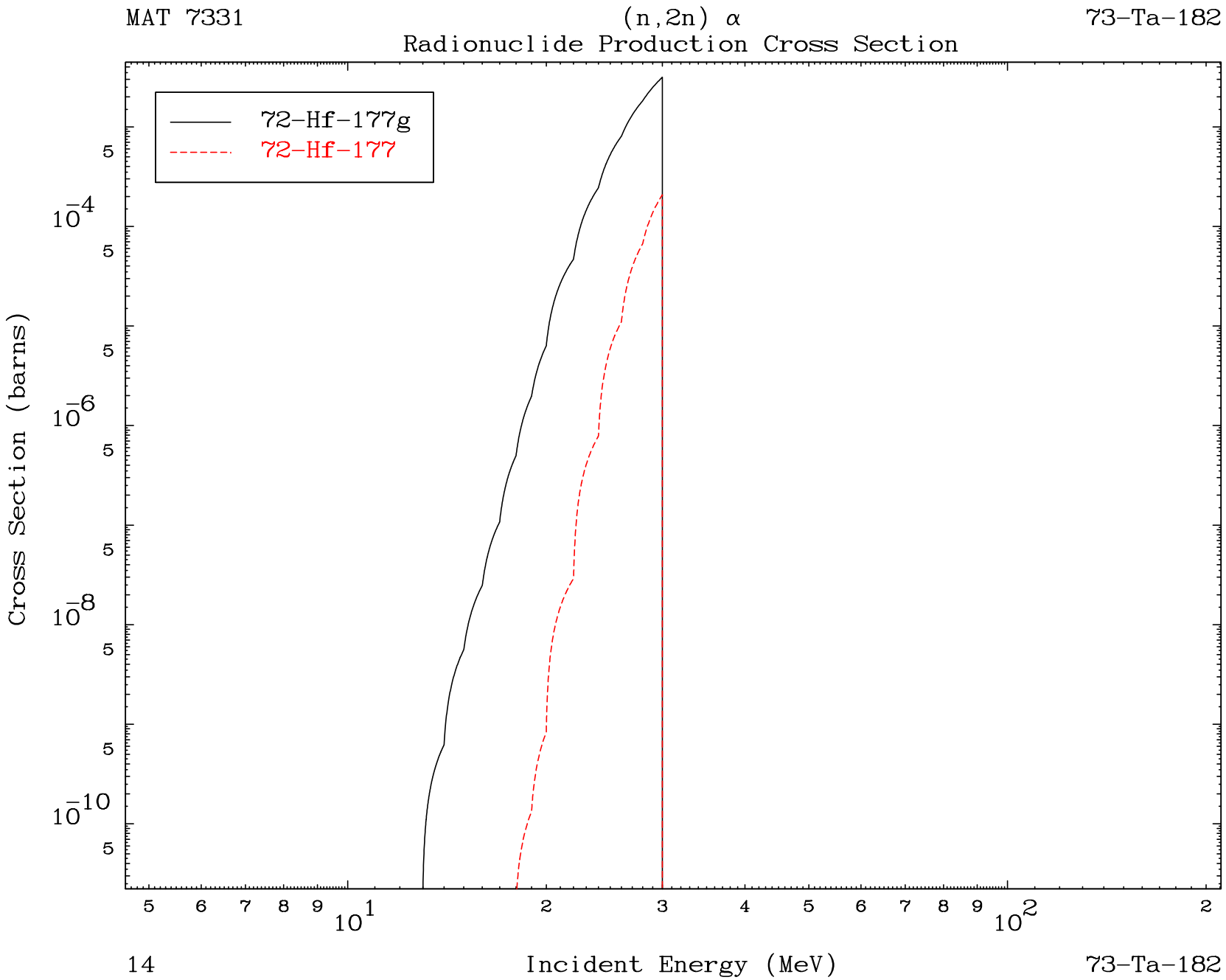

MAT 7331
(p,t) Levels
73-Ta-182
0 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
73-Ta-182
9

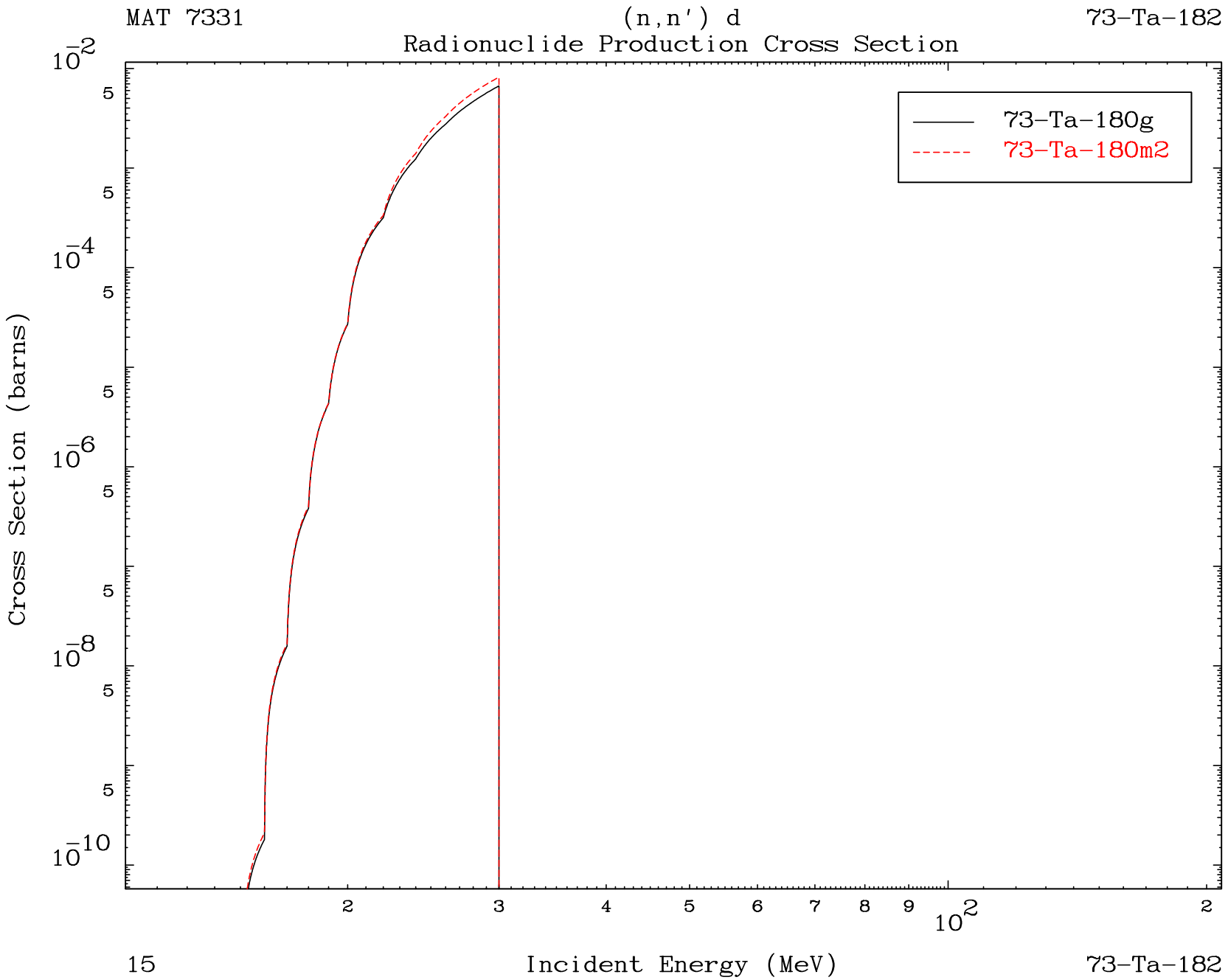

MAT 7331
(p,He3) Levels
73-Ta-182
0 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
10
73-Ta-182

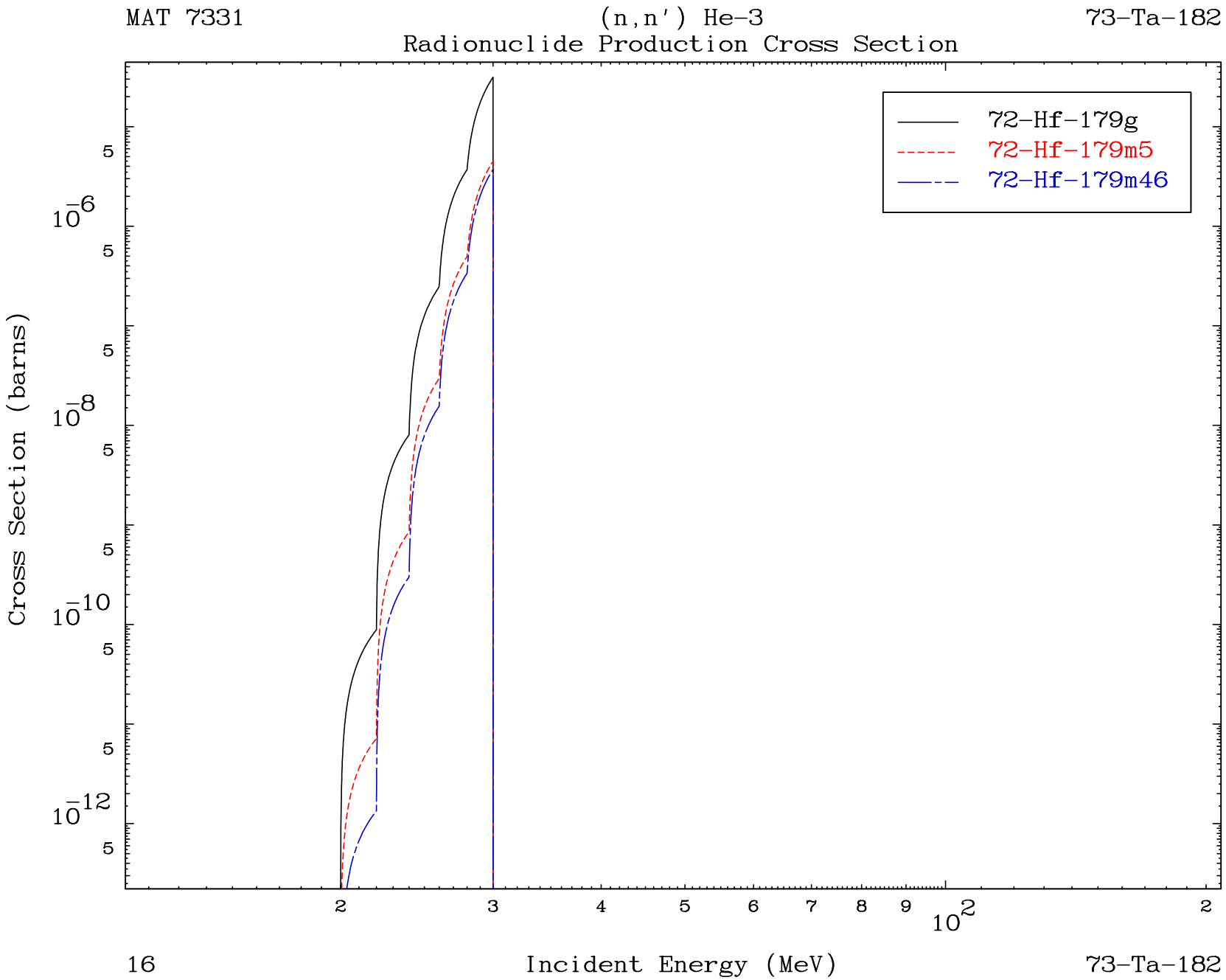

MAT 7331
(p,α) Levels
73-Ta-182
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
10-4
10-6
10-8
10-10
100
101
102
Incident Energy (MeV)
11
73-Ta-182

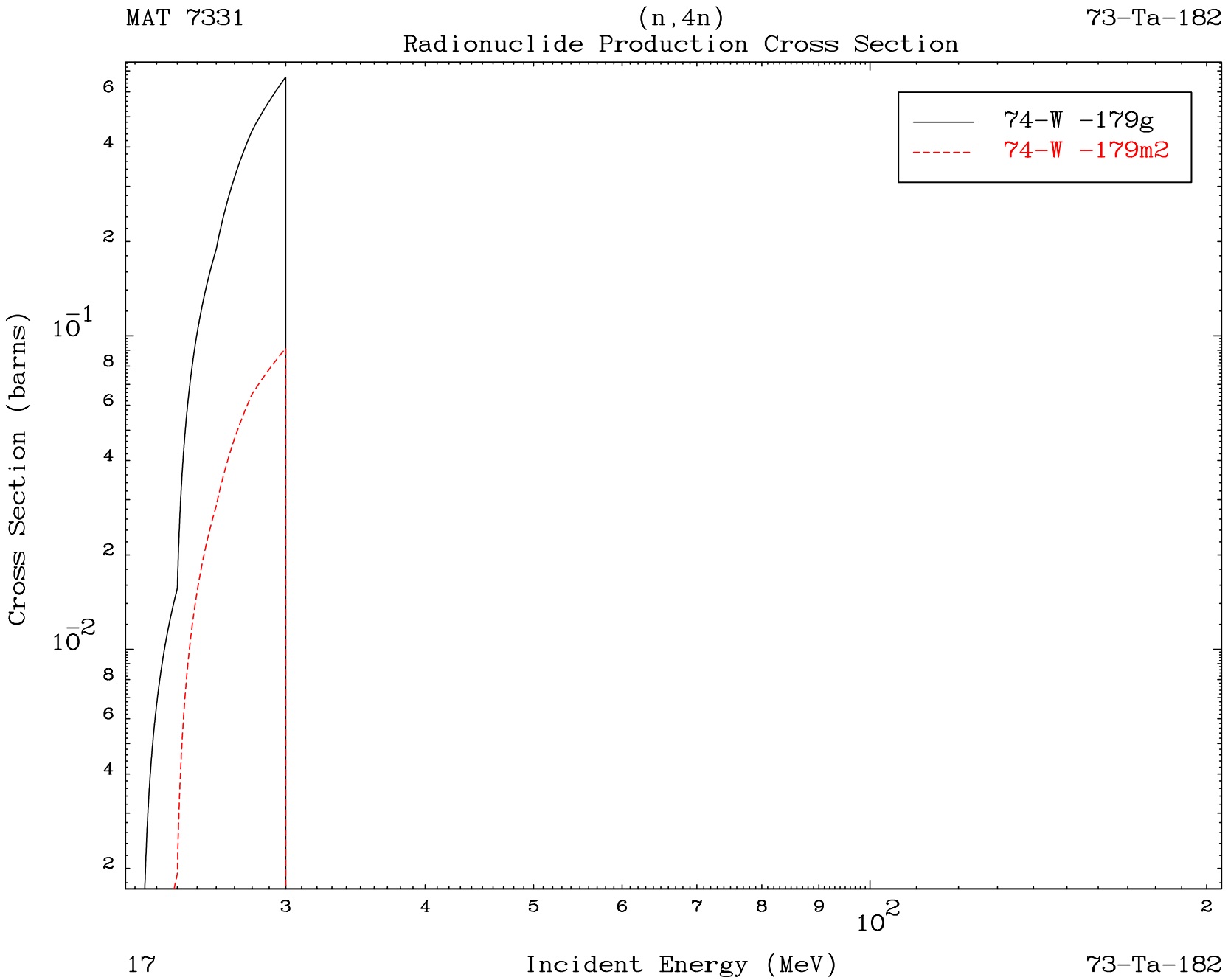

MAT 7331
Fission
73-Ta-182
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
12
73-Ta-182

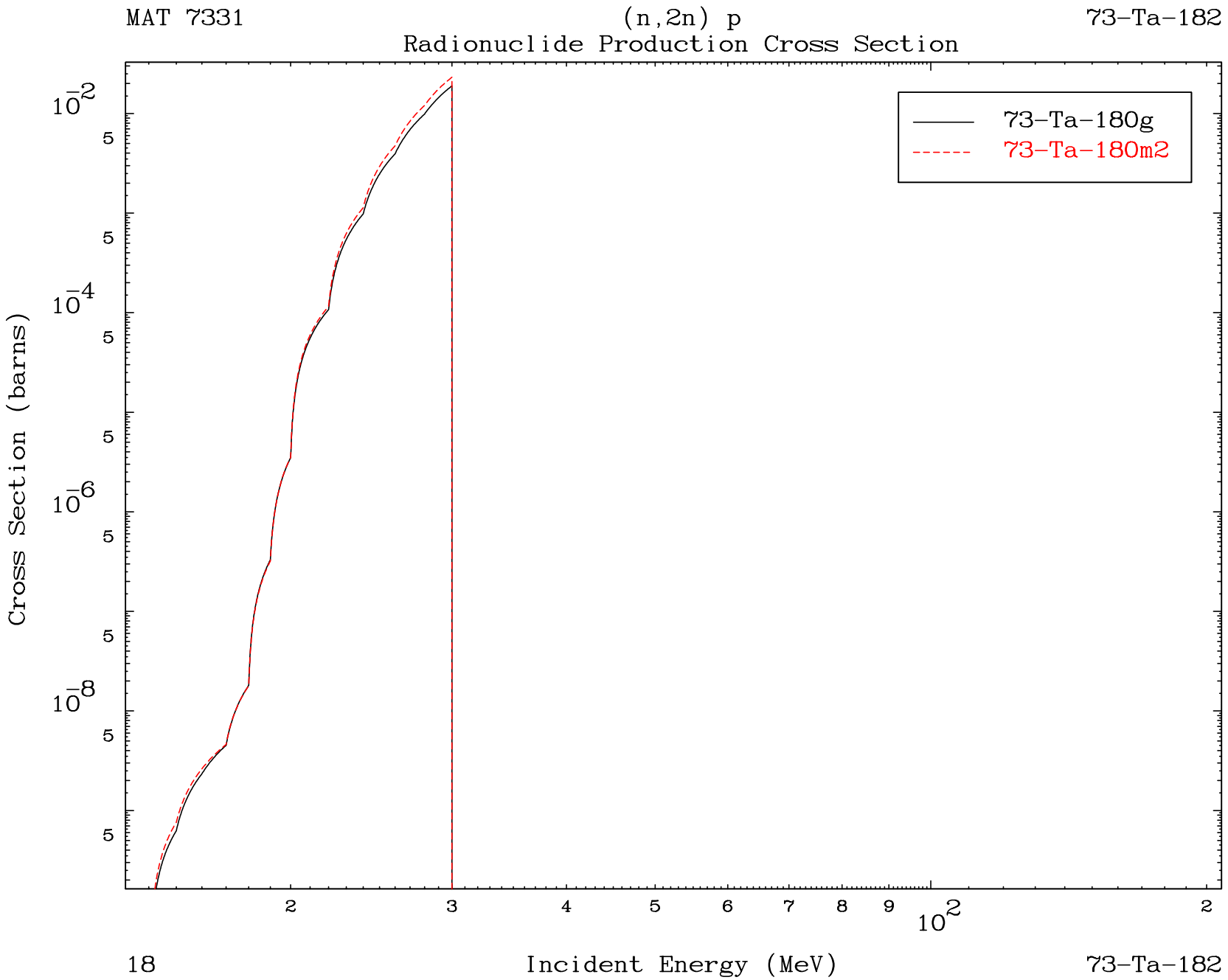

MAT 7331
(n,n') α
73-Ta-182
Radionuclide Production Cross Section
72-Hf-178g
72-Hf-178m5
72-Hf-178
Cross Section (barns)
Incident Energy (MeV)
13
73-Ta-182

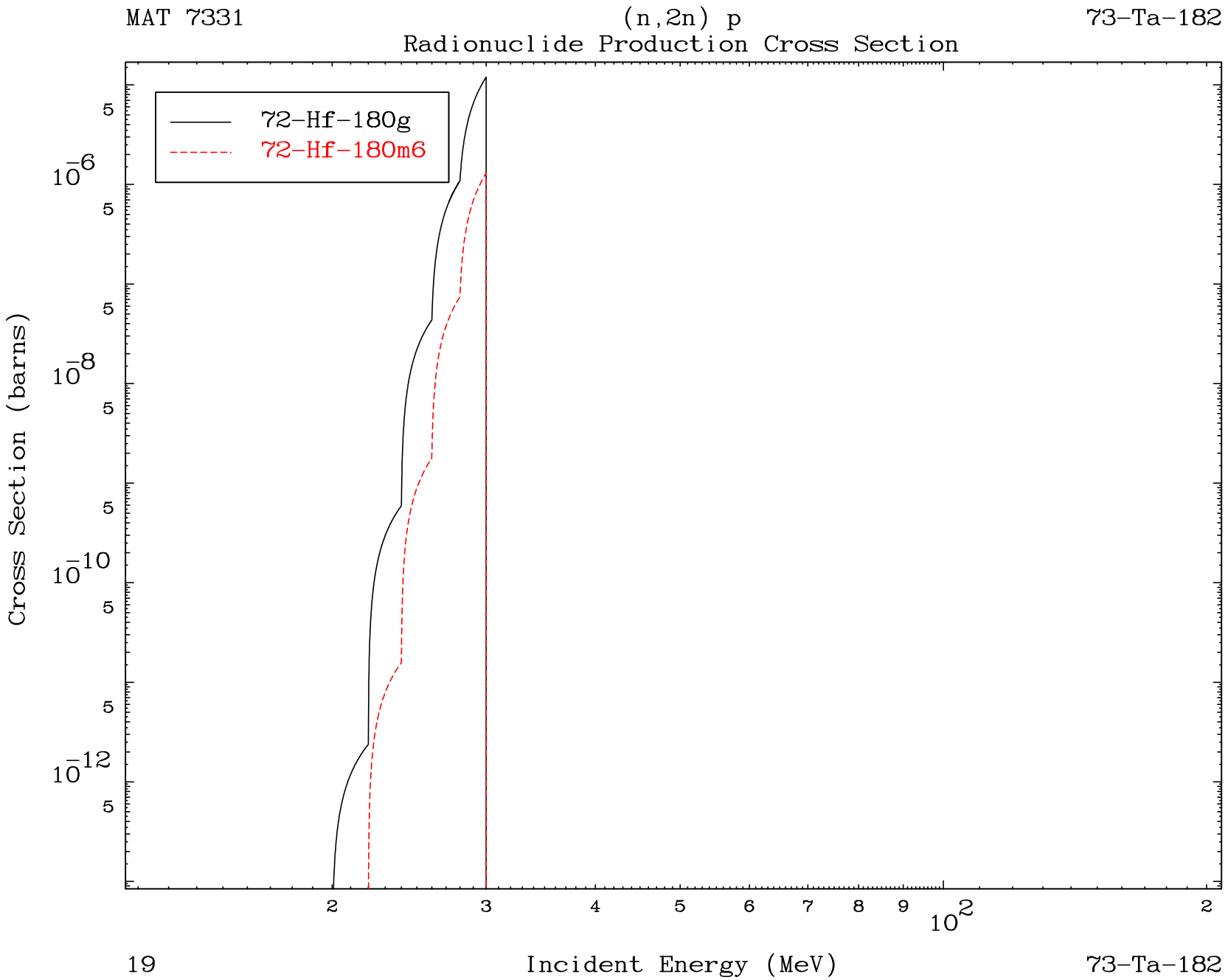

MAT 7331
(n,2n) α
73-Ta-182
Radionuclide Production Cross Section
72-Hf-177g
72-Hf-177
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
10^1
2
3
4
5
6
7
8
9
10^2
2
14
Incident Energy (MeV)
73-Ta-182

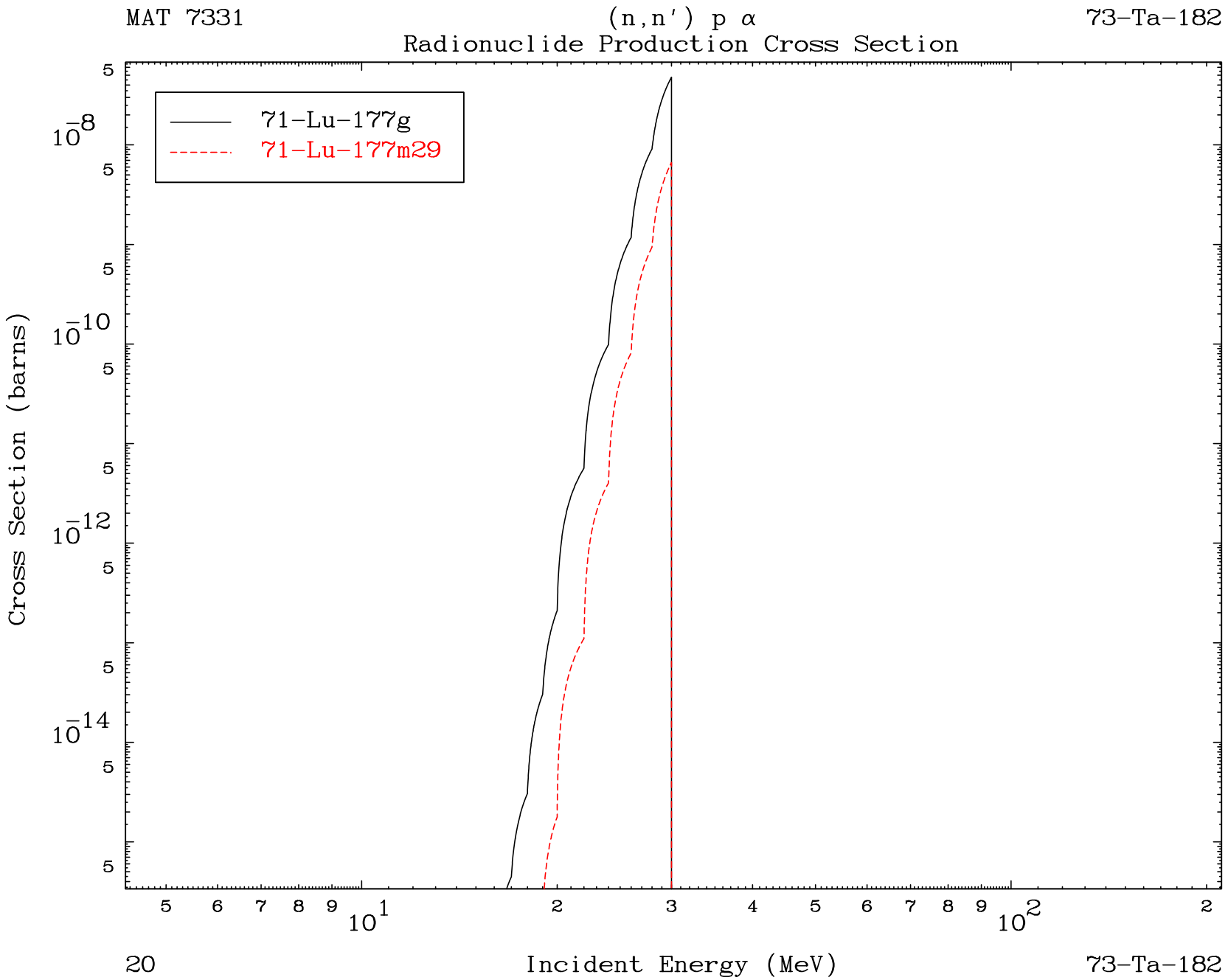

MAT 7331
(n,n') d
73-Ta-182
Radionuclide Production Cross Section
73-Ta-180g
73-Ta-180m2
Cross Section (barns)
Incident Energy (MeV)
15
73-Ta-182

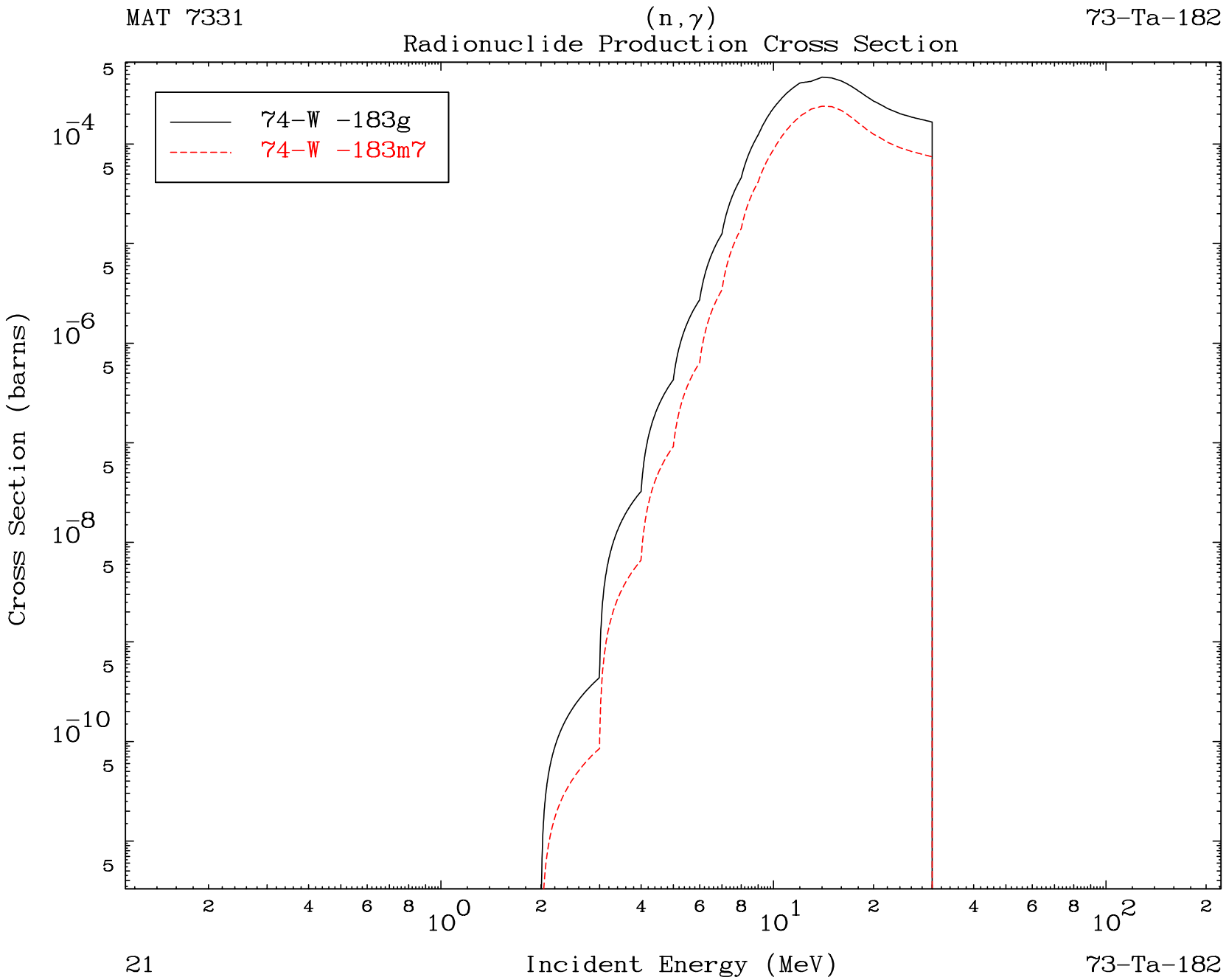

MAT 7331
(n,n') He-3
73-Ta-182
Radionuclide Production Cross Section
72-Hf-179g
72-Hf-179m5
72-Hf-179m46
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10 2
2
16
Incident Energy (MeV)
73-Ta-182

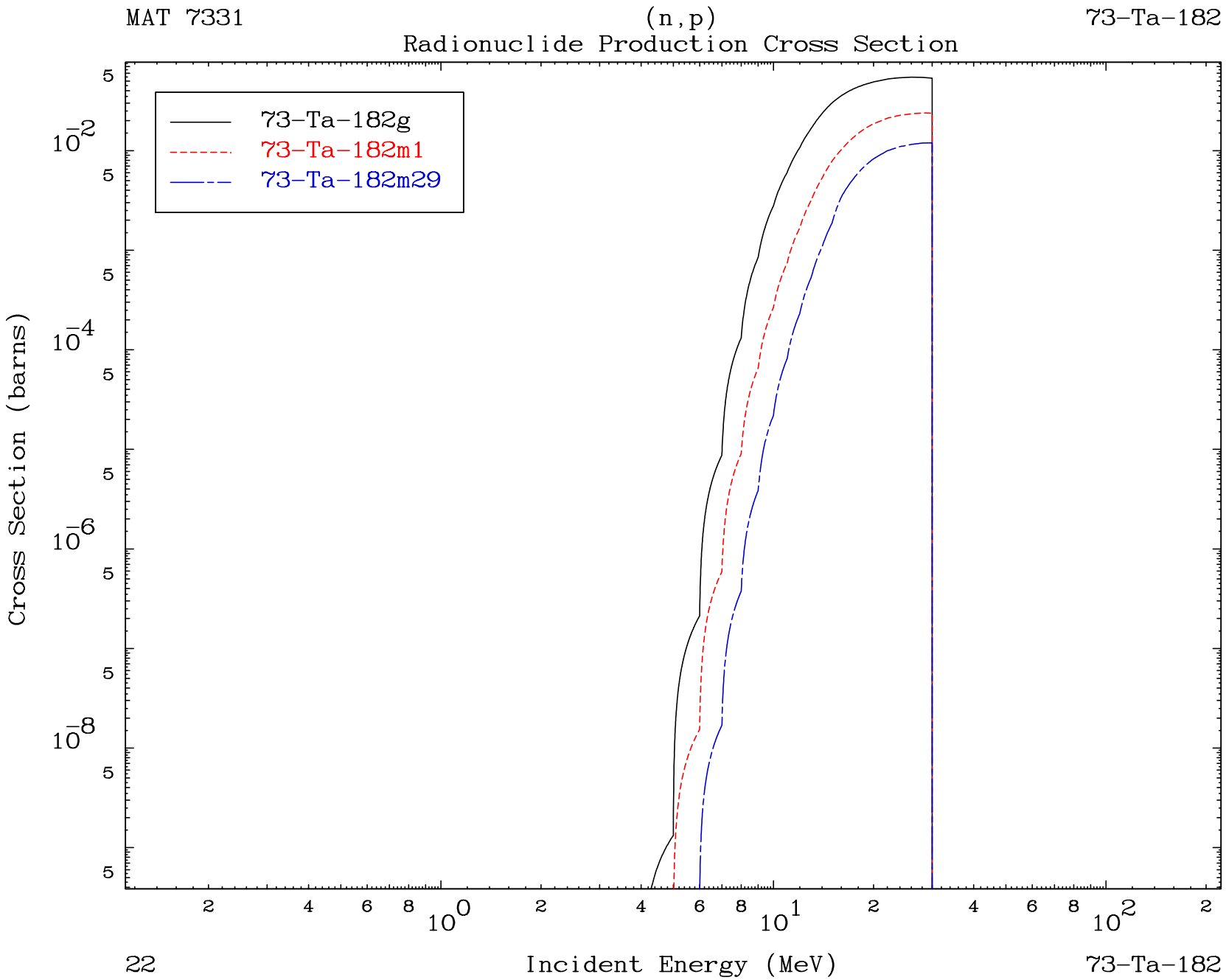

MAT 7331
(n,4n)
73-Ta-182
Radionuclide Production Cross Section
74-W -179g
74-W -179m2
Cross Section (barns)
Incident Energy (MeV)
17
73-Ta-182

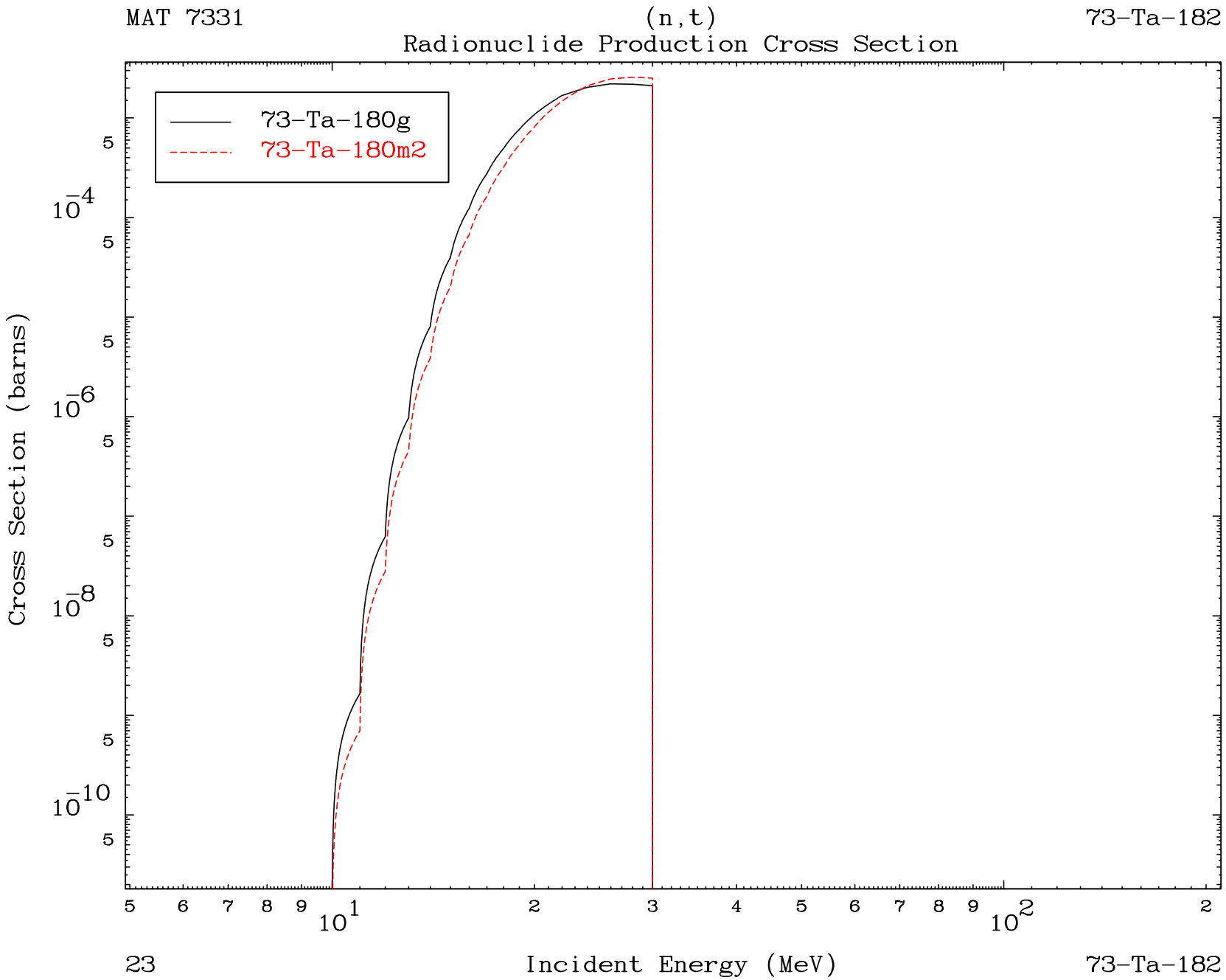

MAT 7331
(n,2n) p
73-Ta-182
Radionuclide Production Cross Section
73-Ta-180g
73-Ta-180m2
Cross Section (barns)
Incident Energy (MeV)
18
73-Ta-182

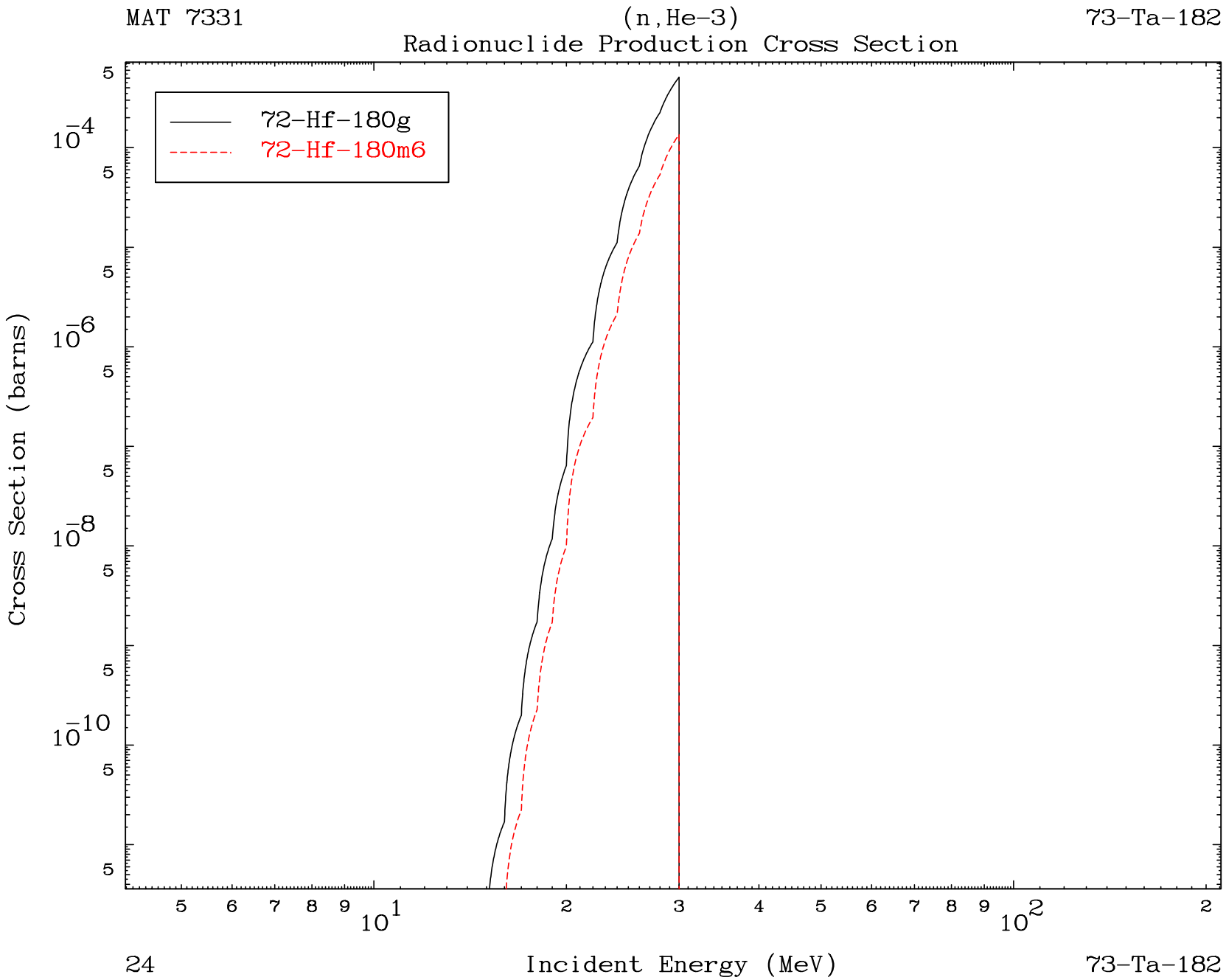

MAT 7331
(n,2n) p
73-Ta-182
Radionuclide Production Cross Section
72-Hf-180g
72-Hf-180m6
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
19
Incident Energy (MeV)
73-Ta-182

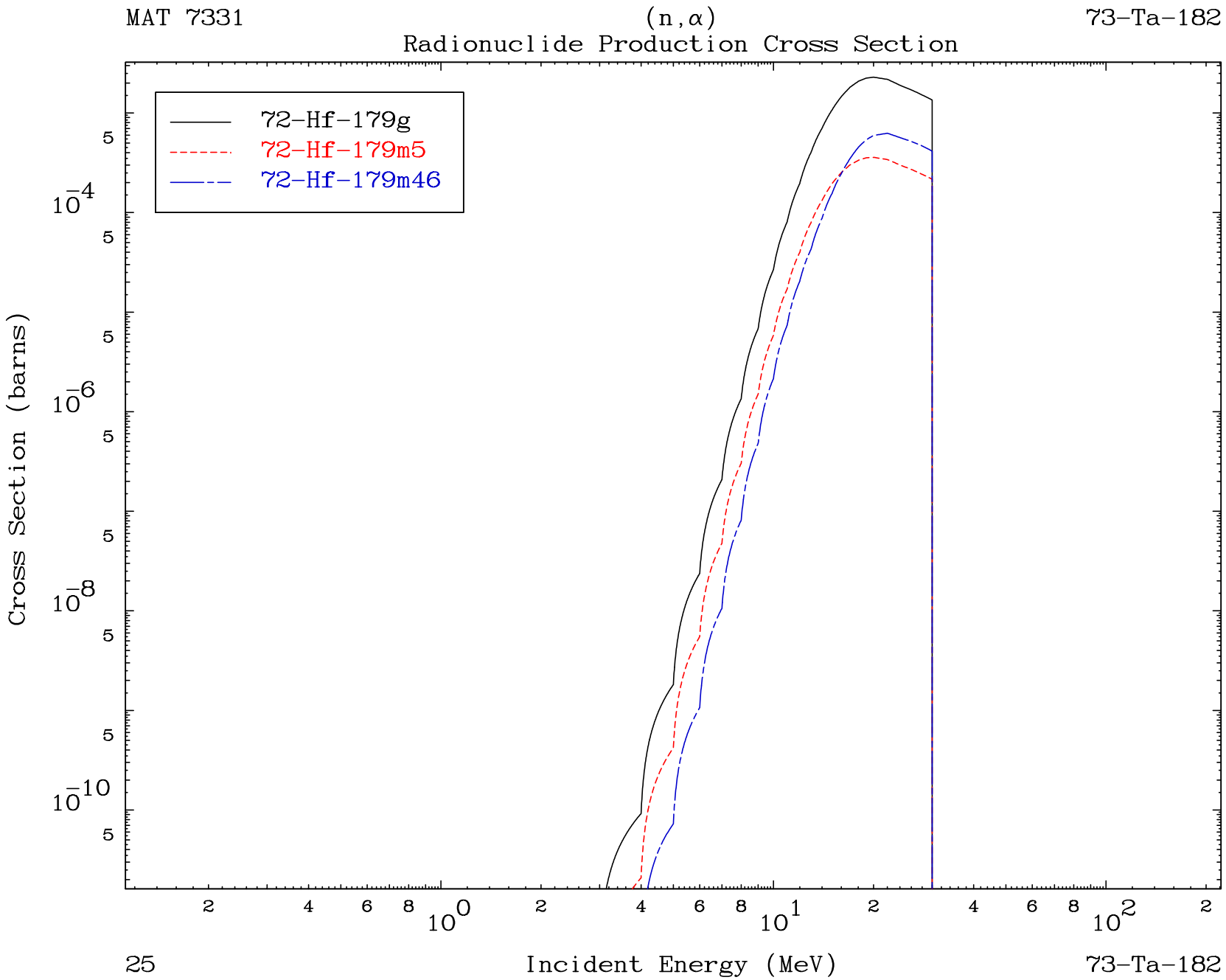

MAT 7331
(n,n') p α
73-Ta-182
Radionuclide Production Cross Section
71-Lu-177g
71-Lu-177m29
Cross Section (barns)
Incident Energy (MeV)
20
73-Ta-182

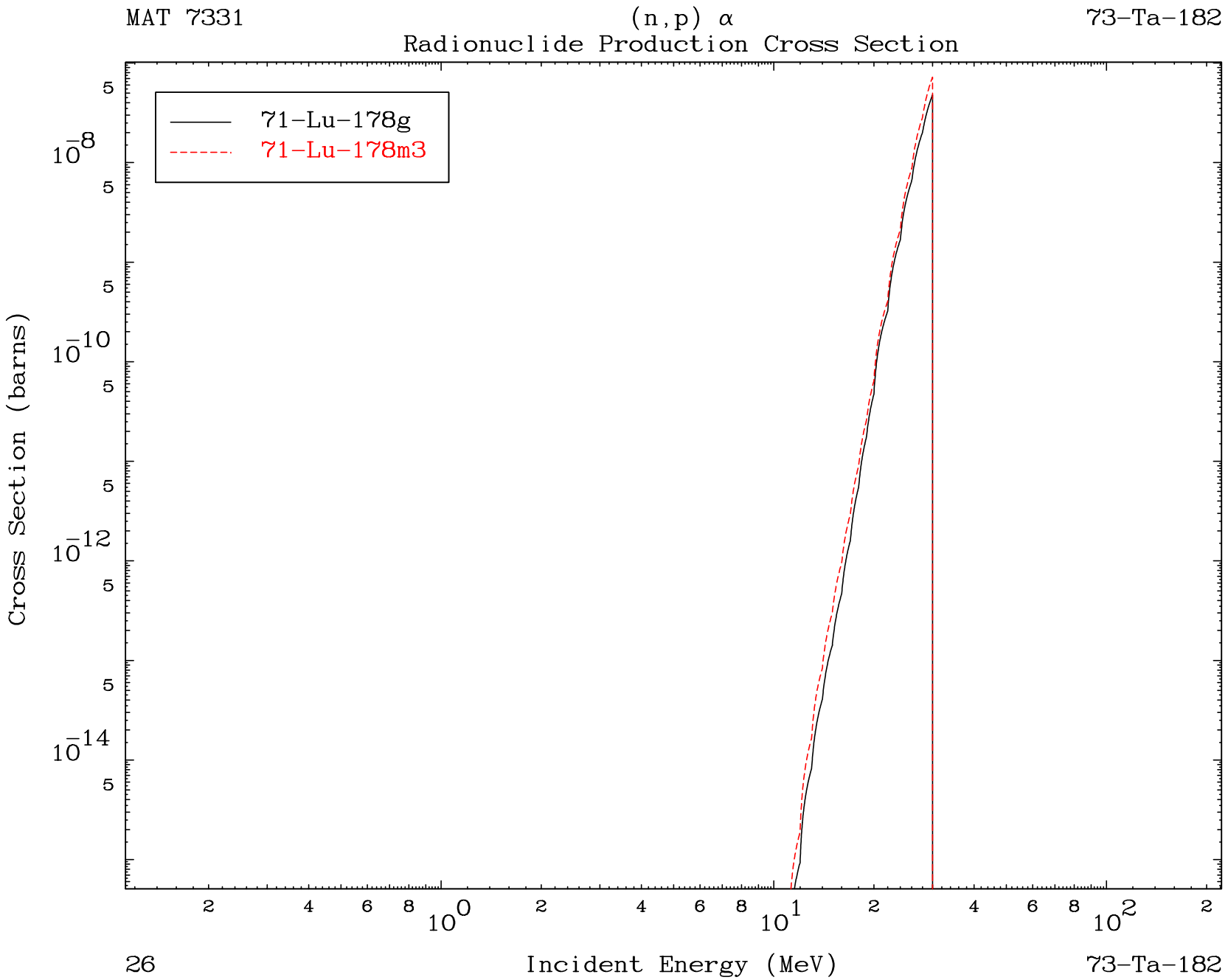

MAT 7331
(n,γ)
73-Ta-182
Radionuclide Production Cross Section
74-W -183g
74-W -183m7
Cross Section (barns)
Incident Energy (MeV)
21
73-Ta-182

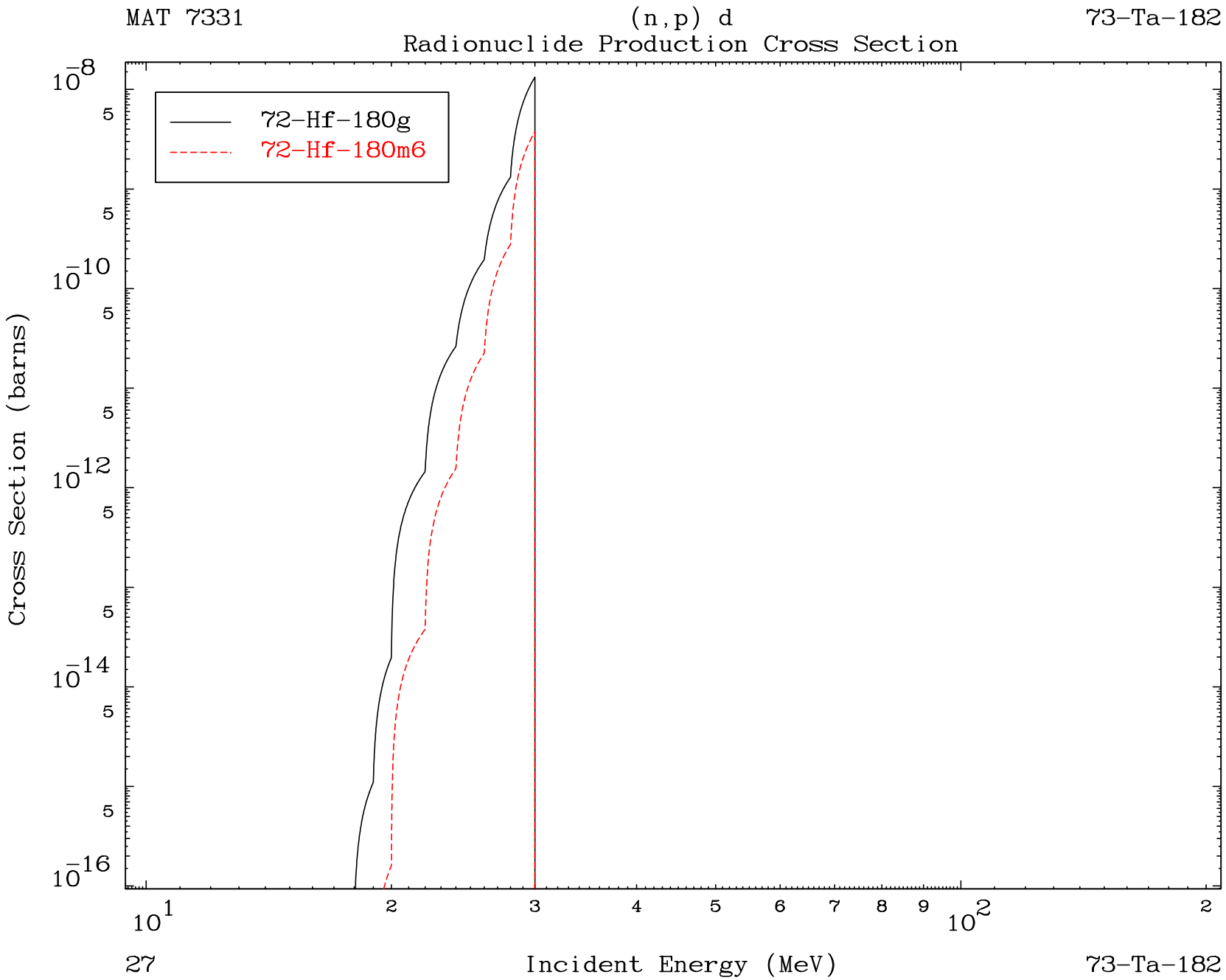

MAT 7331
(n,p)
73-Ta-182
Radionuclide Production Cross Section
73-Ta-182g
73-Ta-182m1
73-Ta-182m29
Cross Section (barns)
Incident Energy (MeV)
22
73-Ta-182

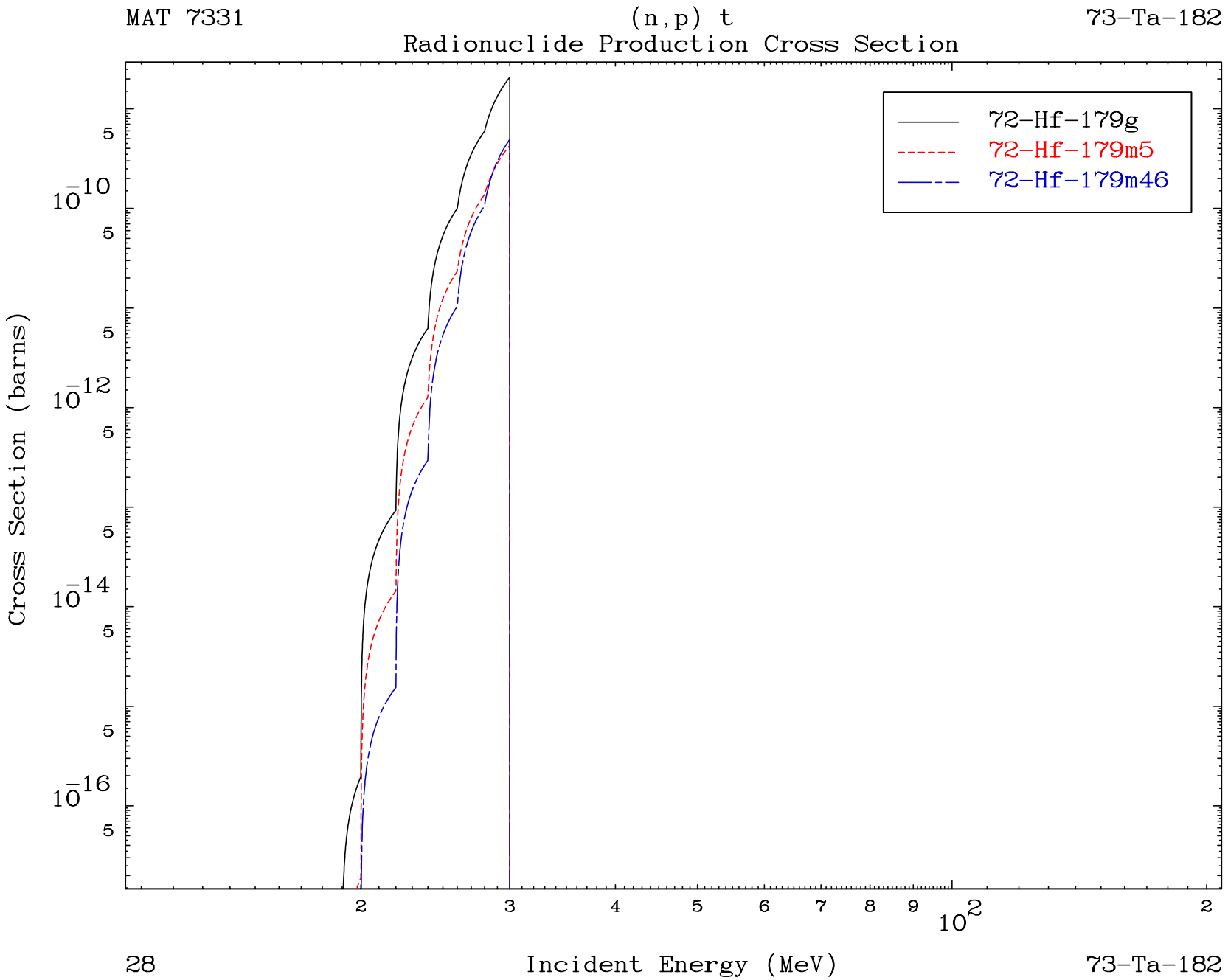

MAT 7331
(n,t)
73-Ta-182
Radionuclide Production Cross Section
73-Ta-180g
73-Ta-180m2
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5 6 7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
23
Incident Energy (MeV)
73-Ta-182


MAT 7331
(n,He-3)
73-Ta-182
Radionuclide Production Cross Section
72-Hf-180g
72-Hf-180m6
Cross Section (barns)
Incident Energy (MeV)
24
73-Ta-182


MAT 7331
(n,α)
73-Ta-182
Radionuclide Production Cross Section
72-Hf-179g
72-Hf-179m5
72-Hf-179m46
Cross Section (barns)
Incident Energy (MeV)
25
73-Ta-182


MAT 7331
(n,p) α
73-Ta-182
Radionuclide Production Cross Section
71-Lu-178g
71-Lu-178m3
Cross Section (barns)
Incident Energy (MeV)
26
73-Ta-182


MAT 7331
(n,p) d
73-Ta-182
Radionuclide Production Cross Section
72-Hf-180g
72-Hf-180m6
Cross Section (barns)
Incident Energy (MeV)
27
73-Ta-182


MAT 7331
(n,p) t
73-Ta-182
Radionuclide Production Cross Section
72-Hf-179g
72-Hf-179m5
72-Hf-179m46
Cross Section (barns)
10-10
10-12
10-14
10-16
5
2
3
4
5
6
7
8
9
10 2
2
28
Incident Energy (MeV)
73-Ta-182